



Selected Papers from the HSG-2022 Conference

Guest Editor:

Dr. Marsel Kabilov

Institute of Chemical Biology and
Fundamental Medicine, Siberian
Branch of the Russian Academy
of Sciences, Novosibirsk, Russia

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editor

Dear Colleagues,

The advent of high-throughput sequencing platforms opened a new era in biology by allowing researchers to obtain and analyze huge data bodies. Every year, novel methods and techniques emerge which broaden our capabilities and interests, reaching far beyond the central dogma of molecular biology, i.e., DNA-seq, RNA-seq, and Ribo-seq. The transcriptomes of single cells, protein-nucleic interactions, rare somatic mutations (DNA-seq with UMI), immunoglobulin repertoires, 3D arrangements of a genome (Hi-C), microbial communities, and many other approaches already acknowledge the presence of sequences. This has illuminated several conclusions about the molecular mechanisms of these processes.

The HGS-2022 conference will feature talks about genomics of prokaryotes and eukaryotes, metagenomics of microbial communities, medical genomics, transcriptomics, protein-nucleic interactions, and translations, providing a forum to report and discuss novel high-throughput sequencing methodologies and their perspective application in research and technology.

Abstracts accepted for the conference can be published in a Special Issue of the journal IJMS (subject to peer review).





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI